

ntroduction

elcome to the 2002 Natural Gas Vehicle (NGV) Purchasing Guide. This publication represents the most comprehensive source of up-to-date information on natural gas vehicles and engines available.

As more customers look to purchase alternative fuel vehicles, major manufacturers are responding by offering an increasing number and variety of NGV options. The goal of this booklet is to match buyers with the right NGV for them.

Inside these pages you'll find light-, medium- and heavy-duty vehicles, off-road vehicles, natural gas engines, upfit vehicles and natural gas hybrid vehicles, listed alphabetically by manufacturer. Many of these manufacturers have a long history of producing gasoline and diesel engines and/or vehicles and offer the same quality and reliability in their natural gas options. Each listing comes complete with contact information, model name and description, vehicle specifications and commercial status.

This booklet was produced by the Natural Gas Vehicle Coalition, the national voice for the NGV industry. The Coalition represents its members primarily in four areas - Government Affairs, Technology, PR/Communications and Market Development. The NGVC also acts as an information clearinghouse for members, and serves as an information and referral "first stop" on NGV industry issues and opportunities, helping members quickly respond to the changing business environment.

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American Honda Motor Co. Inc.

Ph: 310-781-4450 Fax: 310-781-4459

E-mail: stephen_ellis@ahm.honda.com Web: www.civicgx.com

DaimlerChrysler

Ph: 248-948-3644 Fax: 248-948-3883

E-mail: 4mc9@daimlerchrysler.com



DaimlerChrysler

Ph: 248-948-3644 Fax: 248-948-3883

Ford Motor Company

Ford Alternative Fuels Dept

Web: www.fleet.ford.com

Ford Motor Company

Ford Alternative Fuels Dept

Web: www.fleet.ford.com

Ph: 877-ALT-FUEL

Ph: 877-ALT-FUEL

E-mail: 4mc9@daimlerchrysler.com



Dodge Ram Wagon

Dodge Ram Van





Crown Victoria Dedicated Sedan



Ford Motor Company

Ford Alternative Fuels Dept. Ph: 877-ALT-FUEL Web: www.fleet.ford.com



Ford Motor Company

Ford Alternative Fuels Dept Ph: 877-ALT-FUEL Web: www.fleet.ford.com



General Motors Corp.

Jennifer Frechette Ph: 313-665-6472 Fax: 313-667-1159 E-mail: jennifer.l.frechette@gm.com Web: www.gmaltfuel.com



Product Information



Honda Civic GX



Description: Dedicated natural gas. 18.7 gallons equivalent at 3,600 psi. 5.2-liter V8 engine. Great

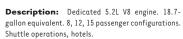
Description: Four-door compact sedan, 1.6L four cylinder, eight gallons equivalent dedicated NGV.

Certifications: ULEV/ILEV Status: Commercially available

"Cleanest on earth."

Certifications: SULEV

Status: Commercially available



Description: Dedicated 5.4-liter Triton gaseous

fuel V8 engine. Meets SULEV emissions standard in

Calif. 18.8/21.6 gallon equivalent onboard fuel

Description: Bi-fuel 5.4-liter Triton gaseous fuel

V8 engine. Available in F150 regular cab (4x2, 4x4),

7700 payload group regular cab or supercab (4x2,

Description: Dedicated 5.4-liter Triton gaseous

fuel V8 engine. Three CNG tanks for 16 gallon

equivalent total. Wagon has optional fourth tank.

Available on: E-250, E-250 extended vans, E-350

super-duty, E-350 super-duty extended vans, E-350 super-duty, E-350 super-duty extended wagons.

storage with dual inbed tanks and underbody tank.

Certifications: ILEV/SULEV Status: Commercially available

4x4).

Certifications: LEV Status: Commercially available

Certifications: ULEV/ILEV Status: Commercially available



Status: Commercially available



F150 Dedicated Pickup



F150 Bi-fuel Pickup



Econoline Dedicated Van/Wagon



Chevrolet Cavalier Sedan

Price

15.630-20,600







24.000-30,000

Call for

Pricing

Call for Pricing

Call for

Pricing

Call for Pricing

Call for Pricing

Description: Bi-fuel, CNG-gasoline sedan with 2.2 liter engine and automatic transmission. Four door. 6.2 gallon equivalent CNG capacity, 14 gallon gasoline capacity.

Certifications: LEV

Status: Commercially available

Meets California's SULEV standard. Certifications: ULEV, ILEV/SULEV

Status: Commercially available

General Motors Corp.

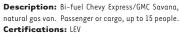
Ph: 313-665-6472 Fax: 313-667-1159 E-mail: jennifer.l.frechette@gm.com Web: www.gmaltfuel.com





Chevrolet/GMC Passenger & Cargo Van

Product Information



Status: Commercially available



Price

General Motors Corp.

Ph: 313-665-6472 Fax: 313-667-1159 E-mail: jennifer.l.frechette@gm.com Web: www.gmaltfuel.com





Dedicated Pick-up Truck

Description: Dedicated Chevrolet Silverado/GMC Sierra pick-up trucks. Available regular or expanded cab. Two-wheel or four-wheel drive.

Certifications: ULEV Status: Commercially available Call For Pricing

Volvo Cars of North America

William Shapiro Ph: 201-767-4772 Fax: 201-768-8695 Web: www.volvotrucks.com



Volvo S70 / V70

Description: S70 bi-fuel gasoline and CNG sedan and V70 station wagon sold in various countries outside North America. Twenty test vehicles operating in the U.S.

Status: Test Program in the U.S.

No Commercial Pricing

MEDIUM/HEAVY-DUTY VEHICLES

Blue Bird Corp.

Roland B. Grav Ph: 478-757-7100 Fax: 478-474-9131 Web: www.blue-bird.com





XBRE Q Bus

Description: Rear-engine transit or shuttle vehicle, available in 29, 35. and 37 foot lengths. Powered by Cummings 5.9 BG or John Deere 6.8 L and 8.1 L engines, all fueled by CNG.

Certifications: LEV Status: Commercially available



Blue Bird Corp.

Ph: 478-757-7100 Fax: 478-474-9131 Web: www.blue-bird.com





CSRE Commercial Series Bus

Description: Transit or shuttle vehicle, available in lengths from 32 feet to 39 feet. Powered by Cummins 5.9BG or John Deere 6.8L or 8.1L CNG engine.

Certifications: LEV Status: Commercially available



Blue Bird Corp.

Ph: 478-757-7100 Fax: 478-474-9131 Web: www.blue-bird.com



CSFE Commercial Series Bus

Description: Forward-engine shuttle or transit vehicle, available in lengths from 25 to 37 feet. Powered by Cummins 5.9BG engine in CNG or LNG.

Certifications: LEV Status: Commercially available



Boyertown Trolley Co. Thomas McKean

Ph: 888-876-5539 Fax: 850-494-2281 E-mail: tmckean@spydee.net Web: www.boyertown-trolley.com

Bus/Trolley/Step Van

Description: CNG-powered step van, bus and trolley bodies for manufacturer-supplied chassis. Engines include Cummins, Detroit Diesel.

Certifications: LEV

Status: Commercially available

Champion Bus Inc.

Ph: 800-776-4943 Fax: 810-724-1844 E-mail: chisls2@tir.com Web: www.championbus.com

Champion Bus Inc.

Ph: 800-776-4943 Fax: 810-724-1844 E-mail: cbisls2@tir.com Web: www.championbus.com

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Ph: 800-776-4943 Fax: 810-724-1844 E-mail: cbisls2@tir.com Web: www.championbus.com

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Ph: 800-776-4943 Fax: 810-724-1844 E-mail: cbisls2@tir.com Web: www.championbus.com

Champion Bus Inc.

Ph: 800-776-4943 Fax: 810-724-1844 E-mail: cbisls2@tir.com Web: www.championbus.com

Chance Coach Inc.

Ph: 316-838-1211 Fax: 316-838-7744 fred.gilliam@chancecoach.com Web: www.chancecoach.com

El Dorado National

Ph: 909-591-9557 Fax: 909-591-5285 E-mail: gshaw@el dorado-ca.com Web: www.lasseter.com/eldorado.htm

El Dorado National

Gentry Shaw Ph: 909-591-9557 Fax: 909-591-5285 E-mail: gshaw@el dorado-ca.com Web: www.lasseter.com/eldorado.htm

El Dorado National

Gentry Shaw Ph: 909-591-9557 Fax: 909-591-5285 E-mail: gshaw@el dorado-ca.com Web: www.lasseter.com/eldorado.htm

Product Information



Crusader & Challenger Bus



Contender Mid-Size Coach



Commodore Bus



CTS Bus



Solo Low-Floor Bus

AH-28 American Heritage Streetcar

Transmark 29/32 Bus

E-Z Rider 30 Bus

MST 28/30 Bus

Description: Small bus (22' - 28') built on a Ford or Chevrolet cut-away chassis using CNG-powered Ford or Chevrolet engines.

Certifications: ULEV Status: Commercially available

Description: Mid-size coach (30') featuring a

Cummins CNG 195G B5.9L engine. Certifications: LEV/ULEV Status: Commercially available

Description: Small bus (22' - 27') built on a Workhorse P30 rail chassis with Chevrolet CNG conversion.

Certifications: ULEV Status: Commercially available

Description: Mid-size bus (25' - 33') built 0EM on a Freightliner chassis with a Cummins CNG engine.

Certifications: LEV/ULEV Status: Commercially available

Description: Low-floor, mid-size coach (30') featuring a Cummins 5.9-liter CNG engine.

Certifications: LEV/ULEV Status: Commercially available

Description: The 28-passenger enclosed American Heritage streetcar is powered by a CNG engine. This nostalgic, transit-tough model is ADAcompliant.

Certifications: ULEV Status: Commercially available

Description: Conventional floor bus. Cummins B5.9L and C8.3 gas engines. ADA compliant. CNG fuel. Status: Commercially available

Description: Low floor bus. Cummins B5.9G and C8.3G gas engines. ADA compliant. CNG, LNG fuel. Status: Commercially available

Description: Conventional floor bus. Cummins B5.9L gas engine. ADA compliant. CNG fuel.

Status: Commercially available

40,000-65,000

Price

140,000-180,000

45.000-70.000

70,000-100.000

180,000-230,000

> Call For Pricing

235,000-

260,000

Product Information

Price

El Dorado National

Gentry Shaw Ph: 909-591-9557 Fax: 909-591-5285

E-mail: gshaw@el dorado-ca.com Web: www.lasseter.com/eldorado.htm

MST 2 Bus

Description: Low floor bus. Cummins B5.9L engine. CNG or propane fuel.

Status: Commercially available

Call For Pricing

Ford Motor Co.

Ford Alternative Fuels Dept. Ph: 877-ALT-FUEL Web: www.fleet ford.com



For the Co.

E-450 Cutaway

Description: Dedicated NGV with 5.4 L, V8 engine. Four-speed automatic transmission, 176" wheelbase, three underbody tanks standard. Auxiliary fuel port.

Certifications: Targeted for ULEV Status: Commercially available Call For Pricing

Call For

Pricing

Freightliner Custom Chassis Corp.

Bryan R. Henke Ph: 864-487-1700 Fax: 864-487-6400

Web: www.freightlinerchassis.com

MB-55 Shuttle Bus Chassis

Description: Shuttle bus chassis with GVWR from 20,500 to 25,500 lbs. Hydraulic or air-brake systems. Cummins C5.9G engine powered by compressed natural gas. Fuel system provides 300+ miles of range.

Certifications: LEV/ULEV Status: Commercially available

Freightliner Trucks

Keith Harrington Ph: 503-745-8136 Fax: 503-735-6827 Web: www.freightliner.com

Century Class C120 Day Cab Tractor

Description: 120-inch BBC day cab tractor with Detroit Diesel engine, 330-hp with 1,400 ft.-lb. torque. Liquefied natural gas. Short-haul regional distribution applications

Certifications: LEV
Status: Commercially available

Call For Pricing

Freightliner Trucks

Keith Harrington Ph: 503-745-8136 Fax: 503-735-6827 Web: www.freightliner.com

Business Class FL50 and FL60 Truck

Description: Medium-duty truck chassis. CNG with Cummins B5.9G 195-230 hp. Refuse and utility applications.

Certifications: LEV
Status: Commercially available

Call For Pricing

Freightliner Trucks

Keith Harrington Ph: 503-745-8136 Fax: 503-735-6827 Web: www.freightliner.com

Business Class FL70 and FL80 Truck

Description: Medium-duty truck chassis. CNG with Cummins B5.9G 195-230 hp, and C8.3G 250-280 hp. Refuse and utility applications.

Certifications: LEV/ULEV
Status: Commercially available

Call For Pricing

Mack Trucks Inc.

Ph: 610-709-3259 Fax: 610-709-2380

E-mail: steve_ginter@macktrucks.com Web: www.macktrucks.com



MR Refuse Hauler

Description: Refuse hauler with Mack E7G engine 325 hp at 195 rpm. Torque: 1,180 lbs.-ft.@1,250 rpm. Cab-over engine model.

Certifications: LEV
Status: Commercially available



Mack Trucks Inc.

Stephen Uniter
Ph: 610-709-3259
Fax: 610-709-2380
E-mail: steve_ginter@macktrucks.com
Web: www.macktrucks.com



NEMBER OF

LE Refuse Hauler

Description: Refuse hauler equipped with Mack 87G 325 hp at 1,950 rpm. Torque: 1,180 lbs.-ft. at 1,250 rpm. Dual-steer, low-entry.

Certifications: LEV
Status: Commercially available



Neoplan USA Corp.

Joyce D. Surprise Ph: 719-336-3256 Fax: 719-336-4201 E-mail: joysur@neoplan.com Web: www.neoplanusa.com

AN 440 Transliner Low-Floor Bus

Description: Low-floor bus powered by natural

gas.

Status: Commercially available

Product Information

Price

Neoplan USA Corp.

Joyce D. Surpris Ph: 719-336-3256 Fax: 719-336-4201 E-mail: iovsur@neoplan.com Web: www.neoplanusa.com

AN 440 Transliner Standard Floor Bus

Description: Standard-floor bus powered by

Call For Status: Commercially available Pricing

Neoplan USA Corp.

Joyce D. Surprise Ph: 719-336-3256 Fax: 719-336-4201 E-mail: joysur@neoplan.com Web: www.neoplanusa.com

AN 340/345 Metroliner High-Floor Coach

Description: High-floor bus powered by natural Status: Commercially available

Call For Pricing

Neoplan USA Corp.

Joyce D. Surprise Ph: 719-336-3256 Fax: 719-336-4201 E-mail: joysur@neoplan.com Web: www.neoplanusa.com

AN 460 Articulated Bus

Description: Articulated bus powered by natural Call For Pricing Status: Commercially available

New Flyer of America

Philippe Bellon Ph: 204-224-1251 Fax: 204-224-4214 Web: www.newflyer.com

C30LF Transit Coach

Description: Thirty-foot, easy-access, low-floor heavy-duty transit coach powered by compressed natural gas. Choice of power trains, axles and HVAC

Call For Pricing

New Flyer of America

Ph: 204-224-1251 Fax: 204-224-4214 Web: www.newflyer.com

systems.

Status: Commercially available

Call For Pricing

C35LF Transit Coach

Description: Thirty-five-foot, easy-access, lowfloor heavy-duty transit coach powered by compressed natural gas. Choice of power trains, axles and HVAC systems Status: Commercially available

New Flyer of America

Philippe Bellon Ph: 204-224-1251 Fax: 204-224-4214 Web: www.newflyer.com

C40LF Transit Coach

Description: Forty-foot, easy-access, low-floor heavy-duty transit coach powered by compressed natural gas. Choice of power trains, axles and HVAC systems.

Call For Pricing

Status: Commercially available

New Flyer of America

Philippe Bellon Ph: 204-224-1251 Fax: 204-224-4214 Web: www.newflyer.com

L40LF Transit Bus

Description: Forty-foot, heavy-duty, low-floor transit bus powered by liquefied natural gas. Choice of power trains, axles and HVAC systems. Status: Commercially available

Call For Pricing

North American Bus Industries (NABI)

Ph: 805-529-5080 Fax: 805-529-3858 E-mail: jmaddox@nabiusa.com Web: www.nabiusa.com

with Detroit Diesel S50G or Cummins C8.3G engine. Status: Commercially available

Description: Forty-foot, low-floor transit bus

290,000-435,000

40 LFW Transit Bus

North American Bus Industries (NABI)

lohn Maddox Ph: 805-529-5080 Fax: 805-529-3858 E-mail: jmaddox@nabiusa.com Web: www.nabiusa.com

35 LFW Transit Bus

Description: Thirty-five foot, low-floor transit bus with Detroit Diesel S50G or Cummins C8.3G engine. Status: Commercially available



North American Bus Industries (NABI)

lohn Maddox Ph: 805-529-5080 Fax: 805-529-3858 E-mail: jmaddox@nabiusa.com Web: www.nabiusa.com



60 LFW Transit Bus

Description: Low-floor, 60-foot transit bus with Detroit Diesel S50G or Cummins C8.3G engine.

Status: Commercially available



Manufacturer/Distributor **Product Information Price** Nova Bus Description: Heavy-duty transit bus in 35' and Joseph R. Gibson 40' models. Stainless steel offered in natural gas. Call For RTS Transit Bus Ph: 450-974-0111 Status: Commercially available Pricing Fax: 450-974-3001 E-mail: bus3.jgibson@memo.volvo.com Web: www.novabuses.com OmniTrans Distributing Inc. Description: General Motors 6.0L - 8.1L bi-fuel or GM Cutaway School Bus/ dedicated vehicle. EPA/CARB Call For Ph: 405-840-2622 Shuttle Bus/Box Van/Service Body/ Certifications: ULEV Pricing Fax: 405-840-3969 Flat Bed/Stake Bed Status: Commercially available E-mail: cngvehicle@aol.com Web: www.cngvehicle.com OmniTrans Distributing Inc. Description: General Motors 6.0L - 8.1L bi-fuel lim Marone GM Cab, Chassis Service Body, Flat or dedicated vehicle. EPA/CARB certified. Call For Ph: 405-840-2622 Bed/Stake Bed Certifications: ULEV Pricing Fax: 405-840-3969 Status: Commercially available E-mail: cngvehicle@aol.com Web: www.cngvehicle.com OmniTrans Distributing Inc. Description: General Motors 8.1L - 9.0L natural GM School Bus/Shuttle Bus/Truck Call For gas replacement school bus engine. Low NOx. Ph: 405-840-2622 Pricing Certifications: ULEV, SULEV option Fax: 405-840-3969 Status: Commercially available E-mail: cngvehicle@aol.com Web: www.cngvehicle.com OmniTrans Distributing Inc. Description: General Motors 6.0L - 8.1L Call For GM C-2500 Pickup Truck dedicated or bi-fuel vehicle. EPA/CARB certified. Ph: 405-840-2622 Pricing Certifications: ULEV Fax: 405-840-3969 Status: Commercially available E-mail: cngvehicle@aol.com Web: www.cngvehicle.com OmniTrans Distributing Inc. Description: General Motors 6.0L natural gas Call For Isuzu Cab Forward Box Van/Flat engine. Optional 8.1L natural gas engine. Ph: 405-840-2622 Pricing Bed/Lawn Care Certifications: ULEV Fax: 405-840-3969 Status: Commercially available E-mail: cngvehicle@aol.com Web: www.cngvehicle.com OmniTrans Distributing Inc. Description: General Motors 8.1L natural gas Call For **Workhorse Chassis For Trolley Buses** engine. Low NO_x. Ph: 405-840-2622 Pricing Certifications: ULEV/SULEV Fax: 405-840-3969 Status: Commercially available E-mail: cngvehicle@aol.com Web: www.cngvehicle.com OmniTrans Distributing Inc. Description: General Motors 6.0L - 9.0L natural Call For gas engine. 8.1L or 9.0L Airport bus. Low NO_x. Workhorse Truck and Bus Chassis and Ph: 405-840-2622 Certifications: SULEV Pricing **Modified Natural Gas Engine** Fax: 405-840-3969 Status: Commercially available E-mail: cngvehicle@aol.com Web: www.cngvehicle.com Orion Bus Industries Description: Low-floor, 40-foot transit bus with Call For Paul Royal Cummins compressed natural gas engine. Low-Floor Transit Bus Pricing Ph: 905-403-1111 Status: Commercially available Fax: 905-403-8808 Peterbilt Motors Co. Description: Class 8 refuse truck with dual-fuel

320/357/330 Refuse Truck

Caterpillar engines.

Status: Commercially available

100.000-

150,000

Ray Paradise

Ph: 940-591-4084

Fax: 940-591-4091 Web: www.peterbilt.com

Product Information

Price

Spartan Motors Chassis Inc.

Ph: 517-543-6400 Fax: 517-543-7728

E-mail: ejhendle@spartanmotors.com Web: www.spartanmotors.com

Spartan Motors Chassis Inc.

Edward Hendler Ph: 517-543-6400 Fax: 517-543-7728 E-mail: ejhendle@spartanmotors.com Web: www.spartanmotors.com

Supreme Corp./ Specialty Vehicles Inc.

Ph: 800-784-8725 714-848-8455

Fax: 714-848-2114

Web: www.specialtyvehicles.com

Thomas Built Buses

Ron Dillard Ph: 336-841-5725 Fax: 336-841-5734

E-mail: ron.dillard@thomasbus.com Web: www.thomasbus.com

Western Star Trucks

Ph: 440-269-5555 Fax: 440-269-5959 Web: www.wstar.com

Western Star Trucks

Ion Wyman Ph: 440-269-5555 Fax: 440-269-5959 Web: www.wstar.com

Western Star Trucks

Ph: 440-269-5555 Fax: 440-269-5959 Web: www.wstar.com

Western Star Trucks

Ion Wyman Ph: 440-269-5555 Fax: 440-269-5959 Web: www.wstar.com

Western Star Trucks

Ph: 440-269-5555 Fax: 440-269-5959 Web: www.wstar.com

Western Star Trucks

Ph: 440-269-5555 Fax: 440-269-5959 Web: www.wstar.com

SLF Super Low-Floor Bus Chassis

Description: Rear-engine bus chassis. Cummins 195- to 250-hp. Allison transmission. Full air TB Rear-Engine Bus Chassis suspension with optional kneeling. Full air brakes with ABS. Transit-shuttle.

Certifications: LEV/ULEV/ILEV Status: Commercially available

Description: Bus chassis with Cummins 195- to 230-hp engines. Allison transmission. Full air suspension (independent suspension front). Air hrakes with ABS Transit-shuttle

Certifications: LEV/ULEV/ILEV Status: Commercially available

Description: CNG-powered trolley with CAT 3126 engine; underfloor tanks. Classic American Trolley – Rear Engine

Certifications: LEV Status: Commercially available

Description: John Deere 6081, 84-passenger, rear-engine bus, with Cummins 5.9-liter CNG engine.

Pass-through luggage compartments. Status: Commercially available



Saf-T-Liner ER Bus

4900 FA Truck

4900 SA Truck

4900 Truck

5900 Truck

4900 EX Tractor

6900 XD Truck

Description: Axle forward vocational trucks with 109" and 123" BBCs with 33" setback front axles with an optional 29" setback front axle on the 123" BBC model. Custom built to specifications.Caterpillar,

Cummins, or Detroit Diesel engines available. Status: Commercially available

Description: Setback axle vocational trucks with 109" and 123" BBCs with 50" setback front axles. Custom built to specifications. Caterpillar, Cummins, or Detroit Diesel engines available.

Status: Commercially available

Description: Axle forward and axle back highway trucks with 123" BBCs with 33" and 50" setback front axles. Custom built to specifications. Caterpillar. Cummins, or Detroit Diesel engines available.

Status: Commercially available

Description: Axle back highway trucks with 109" and 123" BBCs with 50" setback front axles. Custom built to specifications. Caterpillar, Cummins, or Detroit Diesel engines available.

Status: Commercially available

Description: Premium highway tractor with a 132" BBC with a 33" setback front axle. Custom built to specifications. Caterpillar, Cummins, or Detroit Diesel engines available.

Status: Commercially available

Description: Extreme duty vocational truck with a 141" BBC and 59" setback front axle position. Custom built to specifications. Caterpillar, Cummins, or Detroit Diesel engines available. Status: Commercially available

75.000

50,000-

Call For

Pricing

200,000-220,000

130.000

Call For Pricing

Call For

Pricing

Call For Pricing

Call For Pricing

Call For Pricing

Manufacturer/Distributor **Product Information Price** Clark Material Handling Co. **Description:** Lift trucks with 4,000 lb. to 6,500 lb. Mike Hepler capacity. Cushion or pneumatic tires. GM 3.0L and Lift Truck Call For Ph: 859-422-6438 Mitsubishi 2.4L engines. Standard options. CNG tanks Pricing are NGV2, 3,600 psi operating pressure with NGV1 fill Fax: 859-422-7405 Web: www.clarkmhc.com connector. Status: Commercially available Elgin Sweeper Co. Description: Fully dedicated, four-wheel Brian Giles mechanical street sweeper, LEV emissions standard or 175,000 Eagle F CNG Street Sweeper Ph: 847-741-5370 ULEV with optional catalytic converter. Fax: 847-742-3035 Certifications: LEV/ULEV E-mail: bgiles@elginsweeper.com Status: Commercially available Web: www.elginsweeper.com Elgin Sweeper Co. Description: Regeneration street sweeper. LEV Brian Giles emissions standard or ULEV with optional catalytic Crosswind Air Sweeper 135.000 Ph: 847-741-5370 converter. lus any option: Fax: 847-742-3035 Certifications: LEV/ULEV E-mail: bgiles@elginsweeper.com Status: Commercially available Web: www.elginsweeper.com Motive Power Co. — A Wabtec Company Description: Switching locomotive fueled with LNG. Powered with 1,200-hp Caterpillar G3516 SITA 1,000,000 Ph: 800-272-7702, 208-947-3022 engine. and up Fax: 208-947-3040 Status: Commercially available Web: www.wabtec.com MP1200G Locomotive Resurfice Corp. Description: Ice resurfacer with 305-cu.-in. Call For Kathy Freeborn Chevrolet engine. Allows for indoor use with reduced Millennia 2000 Pricing Ph: 519-669-1694 emissions. Fax: 519-669-8896 Status: Commercially available E-mail: info@resurfice.com Resurfice Corp. Description: Ice resurfacer with 305-cu.-in. Call For Kathy Freeborn Chevrolet engine. Allows for indoor use with reduced Millennia 3000 Pricing Ph: 519-669-1694 emissions. Fax: 519-669-8896 Status: Commercially available E-mail: info@resurfice.com Tiger Tractor Corp. Description: Natural gas-powered drawdoor 22,000baggage tractor for airport applications. TIG 30-60, 3000-6000 Drawdoor 29,000 Ph: 816-525-3900 Status: Commercially available **Baggage Tractor** Fax: 816-525-8878 Web: www.tigermfg.com Description: Natural gas-powered conveyor belt Tiger Tractor Corp. 31.000-Ben Schwark loader BL 2000 Conveyor Belt Loader 33,000 Ph: 816-525-3900 Status: Commercially available Fax: 816-525-8878 Web: www.tigermfg.com TYMCO Inc. Description: Regenerative air sweeper utilizing a Call For Bobby L. Johnson natural gas-powered GM 350 engine (aux. engine) Model 600 Municipal Street Sweeper Ph: 800-258-9626, 254-799-5546 mounted on Freightliner FC70. Pricing Fax: 254-799-2722 Status: Commercially available

Yale Materials Handling Corp.

John Piccop Series

GC Series

GC Series

GC Series

Description: The Yale Gas Cushion tire trucks are available in CNG and come in 3,000-15,500 lb capacities. Visit our website for additional information.

Fax: 252-931-5558 in E-mail: ayinfo@yale.com

Status: Commercially available

Call For

Pricing

Web: www.tymco.com

Product Information

Price

Yale Materials Handling Corp.

John Piccolo Ph: 252-931-5517 Fax: 252-931-5558 E-mail: ayinfo@yale.com Web: www.yale.com

GP Series

Description: The Yale Gas Pneumatic tire trucks are available in CNG and come in 3,000-15,500 lb capacities. Visit our website for additional information.

Call For Pricing

Status: Commercially available

Zamboni

Doug Peters Ph: 562-633-0751 Fax: 562-633-9365

E-mail: dpeterszsales@compuserve.com

Web: www.zamboni.com

Description: Natural gas-powered option available on 500 Series ice resurfacer models. 1.8-liter Volkswagen or 2.5-liter Ford engines. **Status:** Commercially available

55,000-60,000

ENGINES

Alternative Fuel Technology

Bob Lynch Ph: 972-392-1949 Fax: 972-661-1776 E-mail: adficleanair@aol.com



AFT NG 466 Natural Gas Engine

500 Series Ice Resurfacer

Description: 7.6-litre 466 heavy-duty dedicated natural gas engine for use in shuttle buses, school buses, fleet delivery and trash trucks.

Certifications: ULEV

Status: Commercially available



19,900

Alternative Fuel Technology

Bob Lynch Ph: 972-392-1949 Fax: 972-661-1776 E-mail: adficleanair@aol.com



AFT NG L-10 Natural Gas Engine

Description: L-10 heavy-duty 250 hp dedicated natural gas engine for use in trucks, buses and class 6-7 trucks

Certifications: LEV

Status: Commercially available



Alternative Fuel Technology

Bob Lynch Ph: 972-392-1949 Fax: 972-661-1776 E-mail: adficleanair@aol.com



AFT NG C12/C10 Natural Gas Engine

Description: Six-cylinder heavy-duty dedicated natural gas engine for use in school buses, refuse trucks and beverage trucks. Designed to replace Catebillar dual-fuel engines.

Certifications: ULEV

Status: Available September 2000

Call For Pricing

Arrow Specialty Co.

Kavas Mistry
Ph: 800-331-3662
Fax: 800-266-1481
Web: www.arrowspecialty.com

VRG 220 Engine

Description: Spark-ignited engine for industrial applications, mobile earth movers.

 $\textbf{Status:} \ \textbf{Commercially available}$



Arrow Specialty Co.

Kavas Mistry
Ph: 800-331-3662
Fax: 800-266-1481
Web: www.arrowspecialty.com

VRG 330 and 330TA Engine

 $\textbf{Description:} \ \ \textbf{Spark-ignited engine for industrial}$

applications, mobile earth movers.

Status: Commercially available



Baytech Corp.

Rebecca Royer Ph: 650-949-1976 Fax: 650-949-1970 E-mail: sales@baytechcorp.com





Description: 5.7L bi-fuel or dedicated CNG engine. 50-state certified EPA and CARB.

Certifications: 50 State
Status: Commercially available

Product Information

Price

Baytech Corp.

Rebecca Royer Ph: 650-949-1976 Fax: 650-949-1970 E-mail: sales@baytechcorp.com





5.7 ULEV Engine

Description: 5.7L bi-fuel or dedicated CNG

engine, ULEV-certified EPA and CARB.

Certifications: ULEV
Status: Commercially available

Call For Pricing

Baytech Corp.

Rebecca Royer Ph: 650-949-1976 Fax: 650-949-1970 E-mail: sales@baytechcorp.com



5.7 ILEV Engine

Description: 5.7L dedicated CNG engine, ILEV-

certified EPA.

Status: Commercially available

Call For Pricing

Baytech Corp.

Ph: 650-949-1976
Fax: 650-949-1970
E-mail: sales@baytechcorp.com



5.7 LEV Engine

 $\textbf{Description:} \quad 5.7 L \ \text{bi-fuel or dedicated CNG}$

engine. LEV-certified EPA and CARB.

Certifications: LEV

Status: Commercially available

Call for Pricing

Baytech Corp.

Rebecca Royer Ph: 650-949-1976 Fax: 650-949-1970 E-mail: sales@baytechcorp.com





4.3 ULEV Engine

Description: 4.3L dedicated CNG engine, ULEV-

certified EPA and CARB.

Certifications: ULEV

Status: Commercially available

Call For Pricing

Baytech Corp.

Rebecca Royer Ph: 650-949-1976 Fax: 650-949-1970





Description: 4.3L dedicated CNG engine, ILEV-

certified EPA and CARB.

Certifications: LEV

Status: Commercially available

Call For Pricing

Baytech Corp.

Rebecca Royer Ph: 650-949-1976 Fax: 650-949-1970 E-mail: sales@baytechcorp.com



4.3 ILEV Engine



4.3 LEV Engine

Description: 4.3L dedicated CNG engine, LEV-

certified EPA and CARB.

Certifications: LEV

Status: Commercially available

Call For Pricing

Cummins Westport, Inc.

Scott Davidson
Ph: 812-377-5000
Fax: 812-377-3334
Web: www.cummins.com





B5.9G Engine

Description: Inline 6-cylinder natural gas engine. Ratings are: 230 hp (500 lb.-ft.), 195 hp (420), 150 hp (375). Displaces 5.9 liters.

Certifications: LEV/ULEV (with catalyst) **Status:** Commercially available

Call For Pricing

Cummins Westport, Inc.

Ph: 812-377-5000 Fax: 812-377-3334 Web: www.cummins.com





C8.3G Plus Engine

Description: Heavy-duty inline 6-cylinder natural gas engine. Ratings are: 280 hp, 275 hp and 250 hp (660 or 750). Displaces 8.3 liters. Optional low NO_x category 2.0.

Certifications: LEV/ULEV Status: Commercially available

Product Information

Price

Call For

Pricing

Call For

Pricing

Detroit Diesel Corp.

Ph: 313-592-3735 Fax: 313-592-8176 Web: www.detroitdiesel.com 6047 TK68 Series 50 Gas

Description: In-line, four-cylinder natural gas (LNG or CNG). Transit bus, generator applications. 275 hp at 2,100 rpm.

Certifications: LEV/ULEV Status: Commercially available

Detroit Diesel Corp.

Ph: 313-592-3735 Fax: 313-592-8176 Web: www.detroitdiesel.com

6067 TKG8 Series 60 Gas

Description: In-line, six-cylinder natural gas engine (CNG or LNG). Available for motor coach and generation set applications.

Certifications: LEV Status: Commercially available

Description: Optimized CNG engines for Ford 370,

Status: Commercially available

429, 460 and GM 350, 366, 427.

3.000-4,800

Jasper Engines & Transmissions

Ph: 800-827-7455 Fax: 812-634-1820

E-mail: cthorn@jasperengines.com Web: www.jasperengines.com

John Deere Power Systems

Glen Chrusciel Ph. 319-292-5465 Fax: 319-292-5075

E-mail: ChruscielGlenL@JohnDeere.com Web: www.deere.com

6068 HFN Engine

CNG Engine

Description: Dedicated medium/heavy-duty engine. 6.8L @ 225 hp, 640 lb.-ft. of torque. Meets CARB optional low NO_x of 2.5 g.

Certifications: LEV

Status: Commercially available in Blue Bird buses

Call For Pricing

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John Deere Power Systems

Ph: 319-292-5465 Fax: 319-292-5075 E-mail: ChruscielGlenL@lohnDeere.com

Web: www.deere.com



6081 HFN Engine

Description: Dedicated heavy-duty engine. 8.1L @ 250 hp, 800 lb.-ft. of torque. Meets CARB optional low NO_x of 2.5 g.

Certifications: LEV

Status: Commercially available in Blue Bird,

Thomas and ElDorado buses

John Deere Power Systems

Ph: 319-292-5465 Fax: 319-292-5075 E-mail: ChruscielGlenl@JohnDeere.com Web: www.deere.com



6081 HFN Engine

Description: Dedicated medium/heavy-duty engine. 8.1L @ 280 hp, 900 lb.-ft.of torque. Meets CARB optional low NO_x urban bus of 2.0 g.

Certifications: LEV

Status: Commercially available 8/01 in Crane Carrier Refuse Trucks, New Flyer and Orion Transit

Power Systems Associates/Caterpillar

Kevin Campbell Ph: 800-344-5333 Fax: 562-699-7971 Web: www.dualfuelengines.com



3126E Dual-Fuel Engine

Description: Available in 190 and 250 hp configurations. Diesel and LNG or CNG configurations. Fuel use: 85 percent natural gas, 15 percent diesel. 7.2L displacement.

Certifications: CARB Low NO_x Status: Commercially available

Power Systems Associates/Caterpillar Kevin Campbell

Ph: 800-344-5333 Fax: 562-699-7971 Web: www.dualfuelengines.com C10 Dual-Fuel Engine

Description: Available in 305 hp configuration. 10.3L displacement, Diesel and LNG or CNG, Fuel use: 85 percent natural gas, 15 percent diesel.

Certifications: CARB Low NO_x Status: Commercially available

Description: Available in 410 hp configurations Call For at 1,250 ft.-lb. of torque. 11.9L displacement. Diesel Pricing and LNG or CNG. Fuel use: 85 percent natural gas, 15

Certifications: CARB Low NO_x Status: Commercially available

percent diesel.

Power Systems Associates/Caterpillar

Kevin Campbell Ph: 800-344-5333 Fax: 562-699-7971 Web: www.dualfuelengines.com



C12 Dual-Fuel Engine

Product Information

Price

Air Surrey Natural Gas Vehicles, Inc.

Jason P. Gorr
Ph: 419-865-1616
Fax: 419-865-0101
Web: www.girsurrev.com



Ford Crown Victoria Taxi Package

Description: Natural gas-powered taxi cab featuring the Surax CNG Fuel System. The standard package offers 16 equivalent gallons of natural gas while maintaining 18 cubic feet of luggage space.

Call For Pricing

Status: Commercially available

Air Surrey Natural Gas Vehicles, Inc

Ph: 419-865-1616 Fax: 419-865-0101 Web: www.airsurrey.com



TaxiVan

Description: Natural gas-powered Chevrolet Venture minivan featuring the Surax CNG Fuel System. The standard package offers 16 equivalent gallons of natural gas while maintaining 34 cubic feet of luggage space.

Call For Pricing

Status: Commercially available

Air Surrey Natural Gas Vehicles, Inc.

Jason P. Gorr Ph: 419-865-1616 Fax: 419-865-0101 Web: www.airsurrey.com



Minibus

Description: Dedicated natural gas-powered one-ton stretched van featuring the Surax CNG Fuel System. The standard package offers seating for 11-20 passengers and an 84 cubic foot dedicated luggage area.

Call For Pricing

Status: Commercially available

Air Surrey Natural Gas Vehicles, Inc.

Ph: 419-865-1616 Fax: 419-865-0101 Web: www.airsurrey.com



Shuttle Van

Description: Dedicated natural gas-powered one-ton stretched van featuring the Surax CNG Fuel System. The standard package offers seating for 11-20 passengers and an 84 cubic foot dedicated luggage

Call For Pricing

Status: Commercially available

Baytech Corp.

Ph: 650-949-1976 Fax: 650-949-1970 E-mail: sales@baytechcorp.com



Light-Duty Pickup Truck

Description: Dedicated or bi-fuel 4.3L engine, automatic transmission, 2-wheel drive, regular cab pickup model. Base vehicle is Chevrolet S10 or GMC Sonoma with Baytech CNG fuel injection system.

Call For Pricing

Certifications: CARB, ULEV/LEV pending Status: Commercially available; low-emission available October 2001

Baytech Corp.

Ph: 650-949-1976 Fax: 650-949-1970 E-mail: sales@baytechcorp.com



Light-Duty, Full-Size Pickups/ Minivan/Full-Size Van/SUVs/Van Cut-A-Way/P Chassis/W3500 and NPR Cab-Over Trucks **Description:** Dedicated or bi-fuel 4.3, 4.8, 5.3, 5.7, 6.0-liter engines. Base vehicles are General Motors and Isuzu with Baytech CNG fuel injection system

Certifications: Memo 1A, CARB, 50 state, or

ULEV/ILEV/LEV

Status: Commercially available

Call For Pricing

NATURAL GAS HYBRID VEHICLES

Advanced Vehicle Systems Inc.

Ph: 423-821-3146 Fax: 423-821-0042 Web: www.avsbus.com AVS 30'/35'

Description: Natural gas hybrid vehicle for transit bus applications. 33,700 GVWR. Total battery voltage of 288v. Onboard charger with charge time of 8-10 hours. Vehicle driving range - 250 miles.

Call For Pricing

Status: Commercially available

Advanced Vehicle Systems Inc.

Ph: 423-821-3146 Fax: 423-821-0042 Web: www.avsbus.com AVS 40'

Description: Natural gas hybrid vehicle for transit bus applications. 33,700 GVWR. Total battery voltage of 288v. Onboard charger with charge time of 8-10 hours. Vehicle driving range - 250 miles.

Call For Pricing

Status: Commercially available

Advanced Vehicle Systems Inc.

Kirk Shore Ph: 423-821-3146 Fax: 423-821-0042 Web: www.avsbus.com

AVS 22 Hybrid

Description: Natural gas hybrid vehicle for transit bus applications. 25,000 GVWR. Total battery voltage of 288v. Onboard charger with charge time of 8-10 hours. Vehicle driving range - 250 miles.

Status: Commercially available

Manufacturer/Distributor	Product In	formation	Price
ISE Research — ThunderVolt George Schuh Ph: 619-287-8785 x129 Web: www.iseresearch.com	T801H	Description: Natural gas and fuel cell vehicle for transit bus and shuttle applications. 33,000 to 55,000 GVW. Total battery voltage of 576v. Onboard charger with charge time of 6 hours. Vehicle driving range – 300 miles. Status: Commercially available	Call For Pricing
ISE Research — ThunderVolt George Schuh Ph: 619-287-8785 x129 Web: www.iseresearch.com	T803H	Description: Natural gas vehicle for transit bus and shuttle applications. 80,000 GWN. Total battery voltage of 576v. Onboard charger with charge time of 6 hours. Vehicle driving range – 300 miles. Status: Commercially available	Call For Pricing
ISE Research — ThunderVolt George Schuh Ph: 619-287-8785 x129 Web: www.iseresearch.com	TV701HT	Description: Natural gas and fuel cell vehicle for transit bus and shuttle applications. Up to 32,990 GVW. Onboard charger with charge time of 6 hours. Vehicle driving range – 300 miles. Status: Commercially available	Call For Pricing
ISE Research — ThunderVolt George Schuh Ph: 619-287-8785 x129 Web: www.iseresearch.com	701 AT	Description: Natural gas and fuel cell vehicle for transit bus and shuttle applications. 60,000 GVW. Onboard charger with charge time of 6 hours. Vehicle driving range – four hours. Status: Commercially available	Call For Pricing
ISE Research — ThunderVolt George Schuh Ph: 619-287-8785 x129 Web: www.iseresearch.com	ТВЗОНТ	Description: Natural gas and fuel cell vehicle for transit bus and shuttle applications. Up to 30,000 GVW. Onboard charger with charge time of 6 hours. Vehicle driving range - 180 miles. Status: Commercially available	Call For Pricing
ISE Research — ThunderVolt George Schuh Ph: 619-287-8785 x129 Web: www.iseresearch.com	ТВЗОН	Description: Natural gas and fuel cell vehicle for transit bus and shuttle applications. Up to 30,000 GVW. Onboard charger with charge time of 6 hours. Vehicle driving range - 220 miles. Status: Commercially available	Call For Pricing
ISE Research — ThunderVolt George Schuh Ph: 619-287-8785 x129 Web: www.iseresearch.com	ТВ40Н	Description: Natural gas and fuel cell vehicle for transit bus and shuttle applications. 45,000 GVW. Onboard charger with charge time of 6 hours. Vehicle driving range – 300 miles. Status: Commercially available	Call For Pricing
Solectria Doug Alderton Ph: 978-658-2231 Web: www.solectria.com	CitiVan	Description: Truck application using natural gas. 12,000 GVW. Onboard charger with charge time of 7-8 hours. Vehicle driving range - 150 miles. Status: Commercially available	Call For Pricing
Solectria Doug Alderton Ph: 978-658-2231 Web: www.solectria.com	Blue Bird Hybrid Bus	Description: School bus application using natural gas. 33,000 GVW. Onboard charger. Regenerative braking capacity with seating for 66 persons. Status: Commercially available	Call For Pricing
TransTeq Dale Hill Ph: 303-382-1041 dale.hill@transteq.com Web: www.transteq.com	EcoMark Hybrid Transit Bus	Description: Shuttle application. APU fuel type for natural gas. 22,400 GVW. Onboard charger. Regenerative braking capacity. Vehicle driving range - 22 hours. Status: Commercially available	Call For Pricing





Presents the 2002 Natural Gas Vehicle Purchasing Guide

The Natural Gas Vehicle Coalition is dedicated to creating a profitable, sustainable and growing NGV market.

Our mission is to be the single national voice for the NGV industry and a catalyst for collective action and provide services and information to members to improve their effectiveness and profitability.

Why Should Your Company Join the NGVC?

The NGVC works at the national level to develop and implement programs and strategic initiatives that create and maintain advantages and remove barriers to a profitable NGV industry. Members have access to staff and other members' expertise on technology, government relations, marketing, communications and legal issues. In an industry as dynamic as NGVs, this service provides real value by reducing both the time and expense necessary for data gathering.

The Coalition:

- protects your company's NGV interests and lets your voice be heard;
- provides the critical information you need to help serve your
- advocates to Congress the importance of additional financial incentives, including tax incentives and grants, for buyers and users
- · advocates increased federal funding for NGV research and development;
- actively assists states in accessing federal dollars to support NGV development;
- · works to promote your company's products and services through trade shows and publications;
- · works in partnership with your company to develop national-level sales and marketing programs for NGV market segments;
- encourages state and federal fleet operators to include NGVs in their purchasing plans;
- works to develop and implement safety standards;
- helps bring safe and reliable NGV equipment to market.

For more information about NGVs or membership, contact the NGVC at 202-824-7360, or visit our website at www.ngvc.org.

a X	DaimlerChrysler Ford Motor Company General Motors Corp. Volvo Cars of North America
	voivo cais of Nothi America
<u></u>	MEDIUM-/HEAVY-DUTY VEHICLE
T	Boyertown Trolley Co
	Champion Bus Inc.
	Chance Coach Inc
	El Dorado National
	Ford Motor Company
	Freightliner Custom Chassis Corp
	Freightliner Trucks
	Mack Trucks Inc.
X	Neoplan USA Corp.
	New Flyer of America
	North American Bus Industries (NABI)
5 5	Nova Bus
-	OmniTrans Distributing Inc
5	Orion Bus Industries
	Peterbilt Motors Co
9	Spartan Motors Chassis Inc
	Supreme Corp./Specialty Vehicles Inc
	Thomas Built Buses

LIGHT-DUTY VEHICLES American Honda Motor Co. Inc.

Off-Road Vehicles
CLARK MATERIAL HANDLING CO
ELGIN SWEEPER CO
MOTIVE POWER CO A WABTEC COMPANY
RESURFICE CORP
TIGER TRACTOR CORP
TYMCO INC
YALE MATERIALS HANDLING CORP
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Arrow Specialty Co
BAYTECH CORP
CUMMINS WESTPORT INC
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Jasper Engines & Transmissions
John Deere Power Systems
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Natural Gas Hybrid Vehicles
ADVANCED VEHICLE SYSTEMS INC
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SOLECTRIA 15
TransTeq